## WHAT IS CLAIMED IS:

1. A stent having expanded and unexpanded configurations, said stent comprising:

first and second ring structures individually comprising an endless undulating pattern and disposed axially adjacent each other;

a first plurality of connector segments joining the first and second ring structures, each of the first plurality of connector segments having an undulating portion;

a third ring structure comprising an endless undulating pattern and disposed axially adjacent the first ring structure; and

a second plurality of connector segments joining the first and third ring structures, each of the second plurality of connector segments having an undulating portion;

wherein the undulating portion of each connector segment of the first plurality of connector segments is axially displaced from the undulating portion of a circumferentially adjacent connector segment when the stent is in said unexpanded configuration; and

wherein the undulating portion of each connector segment of the second plurality of connector segments is axially aligned with the undulating portion of a circumferentially adjacent connector segment when the stent is in said unexpanded configuration.

- 2. The stent of claim 1, wherein said endless undulating pattern comprises a serpentine pattern.
- 3. The stent of claim 1 wherein said serpentine pattern comprises a plurality of unit structures, each unit structure comprising first and second lateral arms and a central region disposed between said first and second lateral arms, said central region having a peak disposed between first and second valleys, each said unit structure being inverted with respect to adjacent unit structures of the same ring structure.

- 4. The stent of claim 1, wherein the undulating portion comprises a first u-shaped bend disposed between second and third u-shaped bends.
- 5. The stent of claim 4, wherein the first u-shaped bend extends in a first direction and the second and third u-shaped bends extend in a second direction.
- 6. The stent of claim 5, wherein the second direction is substantially opposite the first direction.
- 7. The stent of claim 1, further comprising one or more pads extending outward from said plurality of ring structures.
- 8. The stent of claim 7, wherein each of said one or more pads comprises an enlarged region spaced from one of said plurality of ring structures by a narrow throat region.
- 9. The stent of claim 7, further comprising a pharmaceutical composition disposed on said one or more pads.
- 10. The stent of claim 9, wherein said pharmaceutical composition comprises one or more of heparin, covalent heparin or another thrombin inhibitor, hirudin, hirulog, argatroban, D-phenylalanyl-L-poly-L-arginyl chloromethyl ketone, or another antithrombogenic agent, or mixtures thereof; urokinase, streptokinase, a tissue plasminogen activator, or another thrombolytic agent, or mixtures thereof; a fibrinolytic agent; a vasospasm inhibitor; a calcium channel blocker, a nitrate, nitric oxide, a nitric oxide promoter or another vasodilator; an antimicrobial agent or antibiotic; aspirin, ticlopidine, a glycoprotein Ilb/Illa inhibitor or another inhibitor of surface glycoprotein receptors, or another antiplatelet agent; colchicine or another antimitotic, or another microtubule inhibitor, dimethylsulfoxide (DMSO), a retinoid or another antisecretory agent; cytochalasin or another actin inhibitor; or a remodeling inhibitor; deoxyribonucleic acid, an antisense nucleotide or another agent for molecular genetic intervention; methotrexate or another

antimetabolite or antiproliferative agent; paclitaxel; tamoxifen citrate, Taxol® or derivatives thereof, or other anti-cancer chemotherapeutic agents; dexamethasone, dexamethasone sodium phosphate, dexamethasone acetate or another dexamethasone derivative, or another anti-inflammatory steroid or non-steroidal anti-inflammatory agent; cyclosporin, sirolimus, or another immunosuppressive agent; tripodal (aPDGF antagonist), angiopeptin (a growth hormone antagonist), angiogenin or other growth factors, or an antigrowth factor antibody, or another growth factor antagonist; dopamine, bromocriptine mesylate, pergolide mesylate or another dopamine agonist; <sup>60</sup>Co, <sup>192</sup>Ir, <sup>32</sup>P, <sup>111</sup>In, <sup>90</sup>Y, <sup>99m</sup>Tc or another radiotherapeutic agent; iodinecontaining compounds, barium-containing compounds, gold, tantalum, platinum, tungsten or another heavy metal functioning as a radiopaque agent; a peptide, a protein, an enzyme, an extracellular matrix component, a cellular component or another biologic agent; captopril, enalapril or another angiotensin converting enzyme (ACE) inhibitor; ascorbic acid, alpha tocopherol, superoxide dismutase, deferoxamine, a 21-amino steroid (lasaroid) or another free radical scavenger, iron chelator or antioxidant; a <sup>14</sup>C-, <sup>3</sup>H-, <sup>131</sup>I-, <sup>32</sup>P- or <sup>36</sup>S-radiolabelled form or other radiolabelled form of any of the foregoing; estrogen or another sex hormone; AZT or other antipolymerases; acyclovir, famciclovir, rimantadine hydrochloride, ganciclovir sodium or other antiviral agents; 5-aminolevulinic acid, metatetrahydroxyphenylchlorin, hexadecaflouoro zinc phthalocyanine, tetramethyl hematoporphyrin, rhodamine 123 or other photodynamic therapy agents; an IgG2 Kappa antibody against Pseudomonas aeruginosa exotoxin A and reactive with A431 epidermoid carcinoma cells, monoclonal antibody against the noradrenergic enzyme dopamine betahydroxylase conjugated to saporin or other antibody target therapy agents; enalapril or other prodrugs; and gene therapy agents.

11. A stent having expanded and unexpanded configurations said stent comprising first and second axial portions, the first axial portion comprising a first plurality of ring structures joined by axially displaced

connector segments and the second axial portion comprising a second plurality of ring structures joined by axially aligned connector segments.

- 12. The stent of claim 11, wherein each connector segment comprises an undulating portion comprising a first u-shaped bend disposed between second and third u-shaped bends.
- 13. The stent of claim 12, wherein the first u-shaped bend extends in a first direction and the second and third u-shaped bends extend in a second direction.
- 14. The stent of claim 13, wherein the second direction is substantially opposite the first direction.
- 15. The stent of claim 11, further comprising a third axial portion comprising a third plurality of ring structures interconnected by axially aligned connector segments.
- 16. The stent of claim 15, wherein the first axial portion is disposed axially between the second and third axial portions.
- 17. A stent having a first and second ends and expanded and unexpanded configurations, said stent comprising:

a plurality of ring structures joined by a plurality of connector segments, each of the plurality of connector segments having an undulating portion;

wherein a first circumferential set of the plurality of connector segments are axially aligned and a second circumferential set of the plurality of connector segments are axially displaced.

18. The stent of claim 17, wherein a connector segment of the first circumferential set joins a ring structure forming said first end of said stent with another of the plurality of ring structures.

- 19. The stent of claim 17, wherein a connector segment of the second circumferential set joins first and second ring structures disposed between said first and second ends of said stent.
- 20. The stent of claim 17, wherein the undulating portion comprises a first u-shaped bend disposed between second and third u-shaped bends.
- 21. The stent of claim 20, wherein the first u-shaped bend extends in a first direction and the second and third u-shaped bends extend in a second direction.
- 22. The stent of claim 21, wherein the second direction is substantially opposite the first direction.